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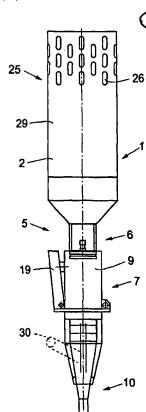
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(54) Title: IMPROVEMENT IN OR RELATING TO A HOT AIR AGGREGATE



(57) Abstract: The invention relates to an arrangement in a hot air aggregate comprising a cover (2) having a built-in fan (3), an enclosed chamber (4) after said fan (3) which extends into a conically formed, front portion (5), to which a burner unit (7) having an enclosed burner (9) supplied with a gas flow and a nozzle (10) are provided via a connecting coupling sleeve (6). Said fan (3) is fixed via a sealing means (11) against an inner tube (12) insulated from said cover (2) and delimits the back portion (13) of the enclosed chamber (4) and its opposite front portion (14) extends into the conical portion (5), which comprises on its inner mantle surface (15) inclined wings to give the streaming air through the same an extra rotation before its passage into the burner (9), said chamber (4) comprises an air guard (16) for sensing the right air flow into the burner (9) at the same time as in front of or after said fan (3) there are within said cover (2) integrated an electronic controlling unit (17) and a magnetic valve (18) for adjusting of air- and gas flows, said burner unit (7) comprises an adjusting means (19) for ignition and starting of the fan (3) when the pressure has been increased sufficiently in the chamber (4) at the same time as a sensor gives a signal to said magnet valve (18) to open said gas supply for ignition of a gas flame enclosed in the burner, and said nozzle (10) is double mantled having the possibility of cooling by aid of cooling air in the gap space (20) of the double mantle (21).

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